



Peak Experiences

The official newspaper
of Lassen Volcanic National Park

May - November 2006



Experience Lassen Volcanic National Park!

Imagine you are standing on the boardwalk at Bumpass Hell. You can feel the light earthquake like shaking of active hydrothermal features below. You close your eyes as the sounds of hissing fumaroles, boiling springs, and gurgling mud pots are interrupted only by the rotten egg smell of drifting sulphur clouds. After a morning hike to Bumpass Hell you decide to have lunch beneath Lassen Peak along the shores of Lake Helen. A sudden gust of wind brings a sense of peace and quiet as the mirror image reflection of Lassen Peak ripples in the waves. Lassen Volcanic National Park bears many gifts just waiting to be received by all who visit.

Whether seeking the adventure of a wilderness experience or the awe of mountains born from fire, many people come here to find solace from their otherwise hectic lives. Nestled within Lassen Volcanic's border are unlimited opportunities to discover beauty and share the timelessness of this ancient landscape no matter your age. Experience your national park.



Lassen Peak reflection on Lake Helen

Welcome to Lassen Volcanic National Park!

After the deep snows of winter and spring, I am looking forward to the miles of hiking trails under the beautiful blue skies that are typical of Lassen. This is one of the best places for a bit of reprieve from the valley heat and the busy streets and highways. I invite you to take some time to step away from the park road to visit what lies beyond. You can find rushing mountain streams that converge into waterfalls or you may discover the bubbling and hissing activity of the park's largest hydrothermal area, Bumpass Hell. As you seek out the quiet sounds of nature I'm sure you will find more than you expected.

National parks always have more than expected. I have experienced this myself and have heard visitors share their new experiences and discoveries. Lassen Volcanic National Park will celebrate its 90th anniversary as a national park on August 9th. I hope you have the opportunity to discover what made this park so special that 90 years ago Congress and the American public believed this place important enough to become a national park. Please have a safe, enjoyable visit.

Mary G. Martin
Superintendent



This park newspaper is made possible
by a donation from the Lassen Loomis
Museum Association.
www.lassenloomis.info

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National Park Service
U.S. Department of the Interior

Lassen Volcanic National Park
P.O. Box 100
Mineral, CA 96063

WELCOME TO LASSEN VOLCANIC NATIONAL PARK

OUR NEW SUPERINTENDENT

Mary G. Martin, a 36-year veteran of the National Park Service, transferred last fall to Lassen Volcanic National Park our new superintendent. Since her arrival last October, Mary has done a great job of getting to know the park staff, getting out into the communities to meet with various business and community groups, and to keep the project of the new park visitor center redesign on track. It is easy to see that Mary enjoys her work. "I am fond of high altitude parks," Mary said. "After ten years in the high desert I was beginning to look for that perfect combination of community, staff, challenge, resource, and altitude. Lassen Volcanic National Park presented all the right combinations and I am thrilled to have been selected as superintendent."

Mary was born in Ireland and immigrated to this country (on the Queen Mary) when she was two. Raised in San Francisco, she had five brothers who all spent quite a bit of time camping, waterskiing and hunting in this region. She has a long history of summer vacations spent with her family camping in the Lassen Volcanic area.

An avid outdoors person, Mary is a black diamond run skier, a camper, an equestrian, and enjoys traveling. She has a BS from California State University-Bakersfield in environmental resource management and a master's degree in public administration from Golden Gate University.

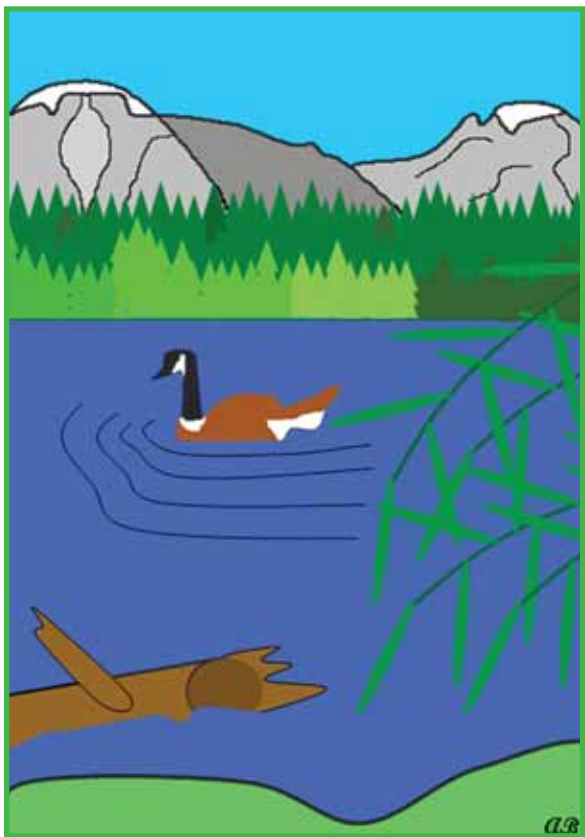
Mary met her husband, Dick, in Yosemite National Park where they were married. She has one daughter, Jennifer, who with her husband, James Kinney, has two children. Dick has three sons, Matthew, who is a NPS ranger at Death Valley NP, Eric (married with one daughter) who is a Wilderness Search & Rescue instructor, and Craig, who is a US Forest Service smokejumper in Idaho.

Mary's career has led her from the San Francisco Bay Area to Vermont to Yosemite National Park to Anchorage, Alaska to Washington DC working in human resources for the NPS. In 1994, when Mojave National Preserve was designated a unit of the National Park System, she was named its first deputy superintendent, and then became the park superintendent within a year.

*Welcome
Bienvenue
Bienvenidos
Willkommen
Benvenuti*



National Park Service
U.S. Department
of the Interior



Lassen Volcanic National Park

Established first as Cinder Cone and Lassen Peak National Monuments in 1907, Lassen Volcanic became a national park in 1916 because of its significance as an active volcanic landscape. Lassen Peak began erupting in 1914, had its most spectacular activity in 1915, and experienced minor activity until 1921. All four types of volcanoes in the world plus active hydrothermal areas are found in the park's 106,000 acres. Lassen Peak is one of the largest plug dome volcanoes in the world. It is considered to be active today.

CONTACT INFORMATION

Emergencies - DIAL 911

Information

Park Headquarters (year-round)

(530) 595-4444

Loomis Museum (summer only)

(530) 595-4444 ext. 5180

Fax Number

(530) 595-3262

Park Website and Email

Address

www.nps.gov/lavo

lavo_information@nps.gov

Mailing Address

Lassen Volcanic National Park
P.O. Box 100
Mineral, CA 96063-0100

FEES AT WORK IN YOUR PARK!

We put your fee dollars to work. 80% of your entrance and campground fees fund vital projects right here at Lassen Volcanic National Park.

Fees have paid for repairing and upgrading roads, campgrounds, trails picnic areas, and restrooms. They have funded the installation of exhibits at the Loomis Museum and wayside exhibit panels throughout the park. Bear-proof storage lockers and trash receptacles were installed in all campgrounds and plans are underway for the construction of a new Southwest Entrance Station facilities.

ENTRANCE FEE OPTIONS

- **7-day pass** for Lassen Volcanic National Park : \$10 per vehicle or \$5 per person on foot, bicycle, motorcycle, or bus.
- **Annual pass** for Lassen Volcanic National Park and Whiskeytown National Recreation Area: \$25 admits all passengers in a private vehicle for one year from month of purchase.
- **National Parks Pass:** \$50 pass admits all passengers in a private vehicle to all 390 units administered by the National Park Service for one year from month of purchase. Also available via 1-888-GO-PARKS and www.nationalparks.org.
- **Golden Eagle Pass:** \$65 pass for national parks plus entrance fees at all federal monuments, historic sites, recreation areas, and wildlife refuges. Also honored at national forests and other federal lands charging for use of high-impact recreation areas. Valid for one year from month of purchase.
- **Golden Age Passport:** One-time \$10 fee buys a lifetime pass for park entrance fees for U.S. citizens and permanent residents 62 or older. Valid for lifetime.
- **Golden Access Pass:** Free to blind or permanently disabled U.S. citizens and permanent residents. Provide appropriate documentation. Valid for lifetime.



VISITOR CENTER UPDATE



Southern View of New Kohm Yah-mah-nee Visitor Center

Lassen Volcanic National Park's new visitor center now has a new schematic design! This project is expected to have a contract awarded this June. Once awarded, the contractor will work with National Park Service staff to complete the construction

drawings and begin construction in April, 2007. Construction will require two summer seasons, so we anticipate our grand opening in October, 2008. Please visit our website at: www.nps.gov/lavo/sw_facility_overview.htm for more information about this project.



Ranger-Led Programs

The National Park Service invites you to enjoy the free programs offered this summer. We hope that learning about Lassen Volcanic and its resources brings a greater appreciation of your national park.



Programs listed below run June 23 - August 19, 2006

Check bulletin boards for a program schedule from August 20 - September 3, 2006.



All programs are 1 hour long unless otherwise noted.
Check bulletin boards for special programs.

SUNDAY

PREDATOR AND PREY - 1:30 p.m. Meet outside the Loomis Museum.
Come enjoy a talk about the amazing lifestyles of the park animals - both predator and prey.

STORIES IN STONE - 3:00 p.m. Meet outside the Loomis Museum.
Learn about the fascinating stories in stone that can be seen from the Manzanita Lake area. Examine the rocks that have shaped the volcanic landscape.

MONDAY

TRAIL OF THE ATSUGEWI PEOPLE - 9:30 a.m. Meet outside the Manzanita Lake Camper Store.
Join a park ranger for a short walk to explore the summer life of the Atsugewi Indians at Manzanita Lake before the pioneer settlers arrived.

BLOWN FROM A VOLCANO - 10:30 a.m. Meet outside the Loomis Museum.
Did you know that every mountain in the park is a volcano or part of one? Come learn about the fascinating geology and volcanic history of the park at this program.

COUGAR: THE AMERICAN MOUNTAIN LION - 1:30 p.m. Meet outside the Loomis Museum.
This majestic member of the cat family personifies strength, grace, mystery, and the wilderness spirit. Join a park ranger and discover little known secrets about the cougar and its lifestyle.

TUESDAY

TOOLS FROM THE PAST - 10:00 a.m. Meet outside the Loomis Museum.
How did the early park rangers accomplish so much with so little? Learn about rural life in the 1930's at Lassen Volcanic National Park through a lively demonstration of tools from the past.

FAULT TALK - 1:30 p.m. Meet at seismic station outside the Loomis Museum.
A demonstration of how geologists monitor the park's volcanic hazards and measure seismic activity.

WEDNESDAY

BEAR NECESSITIES - 1:30 p.m. Meet outside the Loomis Museum.
Come learn about black bears and how you can help keep them wild in Lassen Volcanic National Park. Join us for this educational program.

THURSDAY

Fire, A Long Lost Friend? - 10:30 a.m. Meet in the Loomis Museum Auditorium.
Come to this 20-25 minute presentation to see why fire is not always the enemy of the forest, but is now considered a friend.

WILDLIFE TRACKS AND TRAILS - 2:00 p.m. Meet outside the Loomis Museum.
Discover interesting stories and lifestyles of the park's wildlife by the tracks and trails they make.

FRIDAY

ON THE WILD SIDE - 2:00 p.m. Meet outside the Loomis Museum.
Discover some of the "wilder sides" of the park during this program. Topics vary from the natural to the cultural history of the park.

EVENING SLIDE PROGRAM - 9:00 p.m. in June and July, 8:30p.m. in August. Meet at the Manzanita Lake Amphitheater.
Join a ranger for an evening slide program about the park's natural or cultural history.

SATURDAY

EARLY BIRDS - 8:00 a.m. Meet outside the Manzanita Lake Camper Store.
Take an easy walk and discover the birds of Manzanita Lake.

PEAK TALK: A MESSAGE FROM THE MOUNTAIN - 9:30a.m. and 11:00 a.m. Meet at the Lassen Peak parking area trailhead.
From the base of Lassen Peak, learn about its unique geology and the devastating eruption of 1915. Tips for a safe and enjoyable hike up Lassen Peak will also be highlighted.

SKINS AND BONES - 1:00 p.m. Meet outside the Loomis Museum.
Examine the skins and skulls of park animals and hear stories of their amazing lifestyles in this program.

FAULT TALK - 2:30 p.m. Meet at seismic station outside the Loomis Museum.
A demonstration of how geologists monitor the park's volcanic hazards and measure seismic activity.

EVENING SLIDE PROGRAM - 9:00 p.m. in June and July, 8:30p.m. in August. Meet at the Manzanita Lake Amphitheater.
Join a ranger for an evening slide program about the park's natural or cultural history.

Junior Ranger and Firefighter Programs

Programs run June 23 - August 19, 2006

JUNIOR RANGER - 9:30 A.M. SATURDAY, SUNDAY, AND WEDNESDAY

If you are 7 to 12 years old, join this fun adventure and learn about the park through games, activities, and observations. Become a Junior Ranger. Meet at the Manzanita Lake Amphitheater. Two hours.

JUNIOR FIREFIGHTERS - 11:30 A.M. THURSDAY

If you are 7 to 12 years old, join in on an exciting program and discover the role of wildfires in our national parks. Become a Junior Firefighter. Meet outside the Loomis Museum.



Keith Hoofnagle ©

SUPPORTING A NATURAL ENVIRONMENT

What Are Invasive Plants?

When plants that have evolved in one region are moved to another then establish and spread successfully outside cultivation, they are considered invasive. No longer limited by their natural predators, invasive plants tend to crowd out native plants. They can dominate a plant community by competing for sunlight, nutrients and water, often reducing food and shelter for wildlife. At Lassen Volcanic National Park, we use prevention and restoration to decrease the invasive plant populations. Soil disturbance is kept to a minimum and park equipment is cleaned before being used in wilderness areas to avoid spreading their seeds. Every summer interagency and volunteer groups remove targeted invasive plants and reseed with native plants.



Common Mullein

How can I help protect the park?

- Drive only on established roads and trails.
- Always check your tires, clothing, pets, boots, and gear for unwanted seeds and plant parts. They can fall off along the road or trail and start a new infestation.
- When pack animals are used, carry only feed that is certified weed-free. Start feeding pack animals certified weed-free feed 96 hours before entering the park.
- If you find an infested area, let a park employee know the location. Don't pull the weeds! Some invasive plants look like native plants.

Join the Green Team Recycle!



You can help keep Lassen Volcanic National Park clean and green by participating in the park's recycling program.

This past year, with the help of volunteers, employees and visitors like you, the park recycled 33.9 tons of plastic, glass, aluminum, tin and paper.

As you deposit empty containers in our green recycle bins, you are not only keeping more trash out of landfills, but also saving energy. It takes less energy to make new cans and bottles from your recycled materials than from the raw materials extracted from the earth. Besides recycling glass and aluminum we also recycle plastic containers.

Fire - A Long Lost Partner

Have you ever accused someone of something only to discover that you were wrong? In parks and forests nationwide, we have learned that an accused vandal is actually an important partner. That partner is fire.

Years ago, we tried to banish fire from the landscape because we believed it was destructive. At Lassen that meant putting out lightning caused fires that naturally start every 4 to 25 years.

As time passed, we learned that fire suppression blocked important ecological processes and caused many problems such as vast accumulations of dead wood and small, dense white fir trees. Natural fires used to burn away these excess fuels. Now, after fire's long absence, these fuels cause bigger blazes that are more dangerous for people, plants, and wildlife. They burn hotter and are harder to extinguish.

To protect human safety and benefit our forests, the National Park Service has taken steps to end this misunderstanding of fire. We have studied fire and its effects on the land. When and where its appropriate, we ignite prescribed fires and allow lightning-caused fires to spread naturally and improve resource conditions. Successful fires during 2005 included the 4,090 acre Prospect Peak prescribed fire and the 1648 acre lightning-caused Horsehoe Lake Fire.



Ignition of the 2005 Prospect Peak Prescribed Fire.

We see strong evidence that working with this powerful natural partner is better than resisting it. We are successfully reducing fuels and stimulating healthy forest growth with the help of fire.

Why is this important? The National Park System exists to conserve resources "unimpaired for the enjoyment of future generations." Early rangers thought that aggressive fire suppression met this goal. A more complete understanding of fire and forest ecology tells us that excluding this important natural partner only hurts what we are trying to protect.

Become an Honorary Wildlife Biologist: Report Your Wildlife Sightings!



How would you like to become an Honorary Wildlife Biologist for Lassen Volcanic National Park? The park staff need your help to monitor wildlife populations. Of particular importance are species of raptors (hawks, eagles, falcons and owls), forest carnivores (mountain lions, bobcats, martens, weasels, coyotes, red and gray foxes), and black bears. Park staff survey for wildlife, but we cannot be everywhere at once. You can help. If you see an animal you think the park should know about, document the species you observed, location, date, time, and what the animal was doing. The entrance stations, the ranger stations, and Drakesbad Guest Ranch will have copies of the park's wildlife sighting form for you to fill out and return. Or you can write down the information and give it to any park employee who will route it to our Wildlife Biologist. The observations you turn in will be entered into a database to document species occurrence. By turning in wildlife sighting forms you become an Honorary Wildlife Biologist and will help to preserve and protect the wildlife of Lassen Volcanic.

Thank you for your cooperation. Now go be a Honorary Wildlife Biologist!



Happy Anniversary Lassen Volcanic National Park!

2006 marks the 90th anniversary of Lassen Volcanic National Park and the 100th anniversary of the Antiquities Act.

After a generation-long effort, on June 8, 1906, President Theodore Roosevelt signed the Antiquities Act into law, thus establishing the first general legal protection of cultural and natural resources in the United States.

Lassen Peak and Cinder Cone were established as national monuments on May 6, 1907 by President Theodore Roosevelt. On August 9, 1916 the two monuments were included in the designation of Lassen Volcanic National Park by the 64th Congress. Lassen Volcanic was one of the first to be incorporated into a park from its national monument status.

One third of the current 390 national park units began as national monuments. Without the ability to protect cultural and natural areas via the Antiquities Act, the National Park System would probably not represent the breadth of the nation's natural and cultural heritage, nor have saved many of its treasures from destruction.

The centennial of the Antiquities Act provides an opportunity to reflect on the historic accomplishments that are important to all Americans and to consider the challenges for cultural and natural resource preservation in the 21st century.

MANY THANKS TO OUR TWO PARK PARTNERS



The Lassen Loomis Museum Association (LLMA) has assisted the National Park Service since 1939 in providing park visitors with interpretive and educational merchandise regarding the many and varied features of the park.

DID YOU KNOW? Lassen Volcanic National Park straddles a crossroads of four great geologic and biologic provinces—the Cascade Range, the Sierra Nevada, the Central Valley of California, and the Great Basin.

DID YOU KNOW? Lassen Volcanic National Park started as two separate national monuments designated by President Theodore Roosevelt in 1907: Cinder Cone National Monument and Lassen Peak National Monument.

These facts and more can be found in our publications. Come and explore today!

For information on how to join our mission visit our online membership program at www.lassenloomis.info. Or contact us directly at (530)595-3399 or llma@citlink.net.

“Miles of its flanks are reeking and bubbling with hot springs, many of them so boisterous and sulphurous they seem ever ready to become spouting geysers...”

—John Muir “Mountains of California,”



We provide books, maps, trail guides and videos about the natural and cultural history of Lassen Volcanic National Park. Additionally, we offer a large selection of educational gift merchandise to enhance your park experience - Memories to take home.

Our publications are available at various sales outlets in the park or online at www.lassenloomis.info

Enjoy the park’s reeking, bubbling, and boisterous thermal areas as well as the dozens of other features that are ready for your exploration much in the same condition as when visited by John Muir 112 years ago.

Make a Difference!

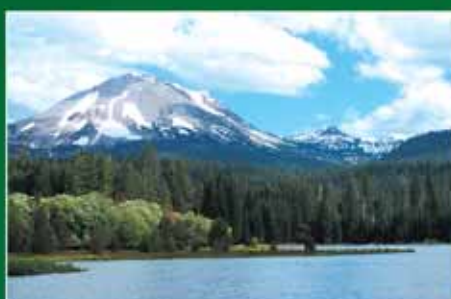


With generous contributions from Park visitors, the Lassen Park Foundation has helped support:

- Restoration of Lassen Peak Trail
- Lassen Crossroads Information Center
- Scientific research on bats and songbirds
- Camping trips for disadvantaged youth
- Winter snowshoe educational program
- The Park's new Kohm Yah-mah-nee Visitor Center*



Join us today!



Please become a Friend of Lassen by contributing to the Lassen Park Foundation! Contributions of \$50 or more will receive a Lassen Park Foundation cap or polo shirt (depending on size of donation). Your donation is tax-deductible. Please make checks payable to Lassen Park Foundation.

To learn more visit www.lassenparkfoundation.org or email info@lassenparkfoundation.org. Lassen Park Foundation, P.O. Box 3155, Chico, CA 95927-3155. Phone (530) 898-9309.

*Only \$92,000 remains to complete funding for this visitor center!

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West of Park, I-5: Red Bluff



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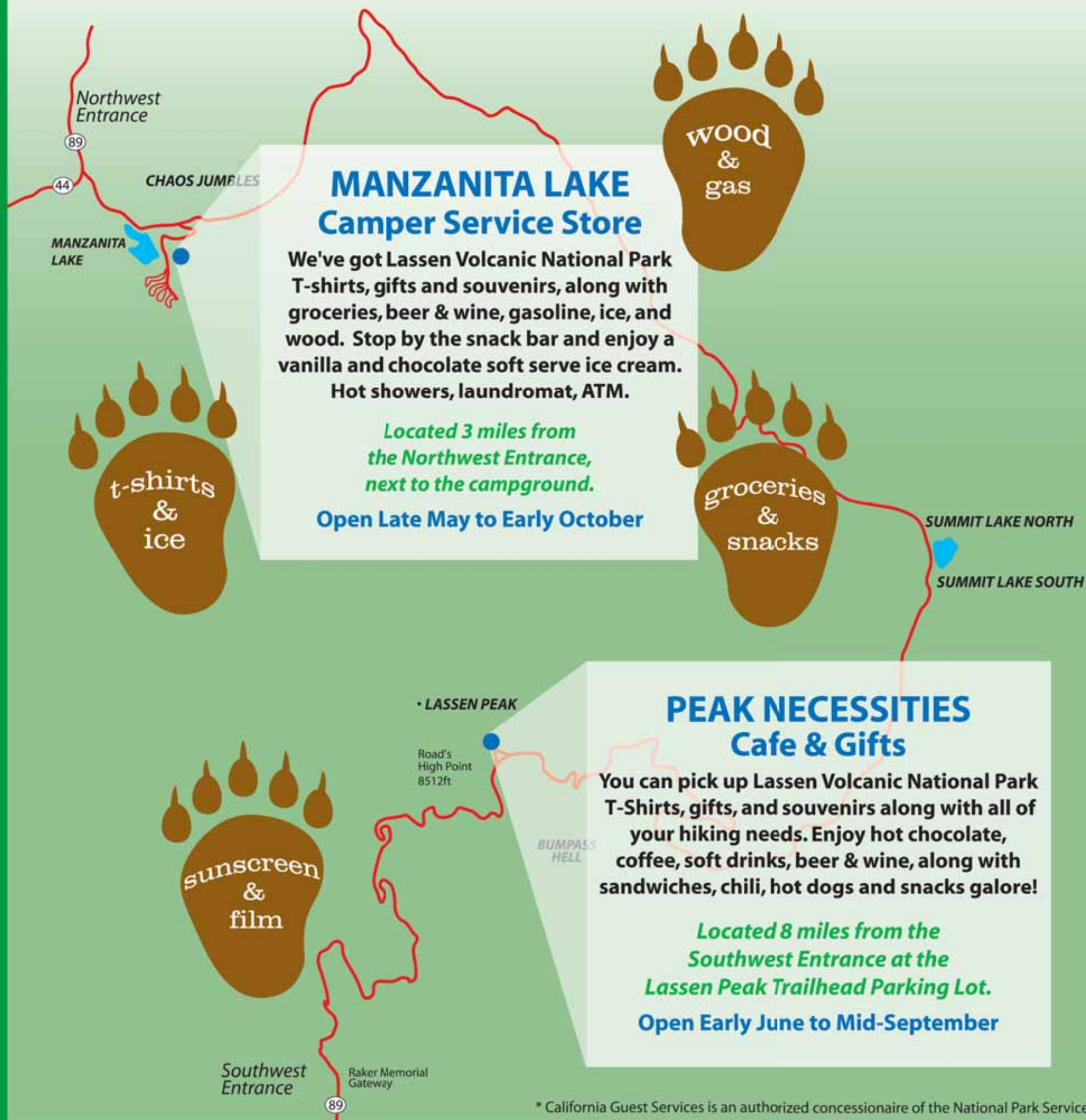


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LASSEN VOLCANIC NATIONAL PARK



Forget a souvenir for someone? Mention this ad at our online store,
www.LassenGifts.com and receive 10% off your order!

15% OFF

Bring this coupon to
Peak Necessities Cafe & Gifts
and receive 15% off any one gift item!

Good only at Peak Necessities Cafe and Gifts. Valid through 2006.

Free Beverage

Bring this coupon to
Manzanita Lake Camper Service Store
and receive a free coffee, tea, or
fountain drink of your choice!

Good only at Manzanita Lake Camper Service Store. Valid through 2006.

Services and Park Information

Manzanita Lake Area

5890' (1783 m.) elevation. 1 mile beyond the northwest park entrance.

INFORMATION

- Loomis Museum Visitor Center: 5/26 - 6/19 (Fri/Sat/Sun) 9a.m. - 5p.m. 6/23 - 9/4 (Daily) 9a.m. - 5p.m. 9/6 - 9/30 (Wed. - Sun.) 9a.m. - 5p.m.
- Wilderness Permits: Required for overnight backcountry trips. Daily at Loomis Museum Visitor Center.

FOOD AND GIFTS

- Loomis Museum Visitor Center: gifts and bookstore.
- Manzanita Lake Camper Store: Supplies, gifts, sandwiches, ice cream. 5/25 - 6/16 (Daily) 9a.m. - 5p.m. 6/17 - 9/4 (Daily) 8a.m. - 8p.m. 9/5 - 10/9 (Daily) 9a.m. - 5p.m.

OTHER SERVICES

- Laundry and Showers: Next to Camper Store, open 24 hours.

Drakesbad

5650' (1720 m.) elevation. 17 miles north of Chester, see map on back page.

FOOD AND LODGING

- Drakesbad Guest Ranch: 6/14 - 10/9 (Daily). For reservations call (530) 529-1512.

Southwest Parking Area

6700' (2042 m.) elevation. 0.1 miles beyond the southwest park entrance, 29.6 miles beyond northwest park entrance.

INFORMATION

- Southwest Information Station: 6/24 - 9/3 (Sat/Sun) 9a.m. - 3p.m.
- Wilderness Permits: Required for over night backcountry trips. Provided at Southwest Information Station during operating hours.

FOOD AND GIFTS

- Peak Necessities: gifts, supplies, snacks, sandwiches, and bookstore. 6/9 - 6/22 (Daily) 9a.m. - 4p.m. 6/23 - 9/4 (Daily) 9a.m. - 6p.m. 9/5 - 10/9 (Daily) 9a.m. - 4p.m.

Mineral Headquarters

4900' (1493 m.) elevation. 42 miles east of Red Bluff on Highway 36.

INFORMATION

- Park Headquarters Information Desk year-round (Mon. - Fri.) 8a.m. - 4:30p.m.
- Wilderness Permits: Required for over night backcountry trips. Provided at Information Desk during operating hours and front porch after hours.

SHOP

- Booknook: gifts, bookstore.



Be A Volunteer!

You can make a difference. Help preserve and protect Lassen Volcanic National Park.

The park has a variety of opportunities for individuals and groups to volunteer their time and talents from 4-hour projects to long-term positions and internships.

Perhaps you would like to assist with:

- | | |
|-------------------------------------|---------------------|
| * Clerical Projects | * Recycling |
| * Vegetation & Wildlife Research | * Camp hosting |
| * Non-Native Plant Removal Projects | * Computer Projects |
| * Visitor Contact Stations | * Photography |
| * Cultural Resources Work | * Search & Rescue |
| * Trail & Campground Maintenance | * Ski Patrolling |
| * Visitor & Education Activities | |

For more information about the park volunteer program, please contact:

Park Volunteer Program Manager
Lassen Volcanic National Park
P.O. Box 100
Mineral, CA 96063-0100
Telephone: 530/595-4444 ext. 5133
E-mail: nancy_bailey@nps.gov

WOW, THAT'S A GREAT SHOT! - ENTER LASSEN VOLCANIC'S PHOTO CONTEST

Each year thousands of magnificent pictures are taken in Lassen Volcanic National Park. If you have one of those "great shots" this is your chance for a year of fame. The Lassen Volcanic Annual Park Pass Photo Contest will run May 1 through September 5, 2006. The winner's photo will be featured on the 2007 Lassen Volcanic Annual Park Pass. The winning photographer will also receive a \$50 gift certificate, courtesy of the Lassen Loomis Museum Association to use at one of the park bookstores.



- Photo subject must be of or within Lassen Volcanic National Park
- Photos must be no larger than 5" X 7" and printed on photo quality paper
- Slides and digital files will not be accepted
- Limit of two photos per household
- Entries must be received by the park's Fee Office no later than close of business on Tuesday, Sept. 5, 2006
- Photos will not be returned and become property of the National Park Service

The contest is open to the general public, park employees, volunteers and their families. Photos should be mailed to Lassen Volcanic National Park, Attn: Fee Office, P.O. Box 100, Mineral, California 96063-0100 or dropped off in person at the park. For each photo submitted, enter your name, address, phone number, subject and location of each photo on a separate sheet of paper. Park employees and volunteers will serve as judges for the contest.

Spring & Summer Weather

From elevations of 5650' in Warner Valley to 10,457' on top of Lassen Peak, a wide variety of weather conditions occur in Lassen Volcanic National Park. Expect a 5° temperature decrease for every 1000' increase in elevation. Prepare for your visit; bring layered clothing, raincoat, and sunscreen.

MONTH	AVERAGE HIGH/LOW TEMPERATURES
May	70/29 °F
June	79/34 °F
July	84/40 °F
August	85/40 °F
September	78/36 °F
October	69/30 °F

Data is for Manzanita Lake, at 5890' elevation.

WHERE CAN I....

WALK A PET? Not on trails but it's allowed in developed areas (campgrounds, picnic areas, paved roads, and parking lots).

GO FISHING? Permitted during the season. A California license is required for ages 16 and up. Special regulations apply to Manzanita Lake: within 150 feet of the Manzanita Creek inlet is closed to fishing, the rest of the lake is catch and release only; artificial lures and single, barbless hooks must be used.

CUT WOOD? Not in the park.

COLLECT THINGS? No collecting or removal of any objects from the park. Leave everything to play its natural role in the ecosystem. Archeological sites and artifacts are protected by law.

FEED WILDLIFE? Not in the park! Animals become unnaturally dependent. Some can become dangerous and may have to be killed. Some can carry disease. Roadside beggars can be hit by cars. People food is unhealthy for them.

RIDE A BICYCLE? Keep bikes on paved roads only, not on any trail.

GO PICNICKING? See picnic symbols on map (page 8). Never leave food unattended. Most sites have tables, and restrooms. Water is not available at most sites.

GO CAMPING? See camping information on page 7.

HAVE A FIRE? Campfires are allowed ONLY in fire rings provided in developed campgrounds. No backcountry fires.

GO HIKING? See page 6 for more information about full day, half day, and short hiking trails in the park.



Day Hiking

Remember, Before You Go...

Plan Ahead

As a day hiker, no permits are required. You are entirely on your own, cell phones may not work in the park. *Your descent into the wilderness, however brief, marks your entry into a world in which preparation, self-reliance, and common sense are crucial.* Wear sturdy boots, carry plenty of water and food, and wear sunscreen.

Weather Conditions Change

Severe storms can occur suddenly. Climb peaks and ridges early in the morning. Head for lower elevation during lightning activity.

Finish Hikes Before Sunset

Sunset times are earlier in areas shadowed by mountains. Always carry a flashlight with spare batteries and warm clothing in case of unexpected delays. See chart below.

Stay On Established Trails and Boardwalks

This is especially important in thermal areas where ground may be dangerously thin. Bumpass Hell was named after a man who severely burned his leg after falling into boiling mud.

SUNRISE AND SET TIMES			
DATE	1st	10th	20th
June	5:37/20:29	5:35/20:34	5:35/20:38
July	5:39/20:39	5:44/20:36	5:52/20:30
Aug.	6:03/20:19	6:12/20:09	6:21/19:54
Sept.	6:33/19:36	6:41/19:21	6:51/19:04
Oct.	7:02/18:46	7:11/18:32	7:22/18:17



Visitors Prepare To Hike Lassen Peak

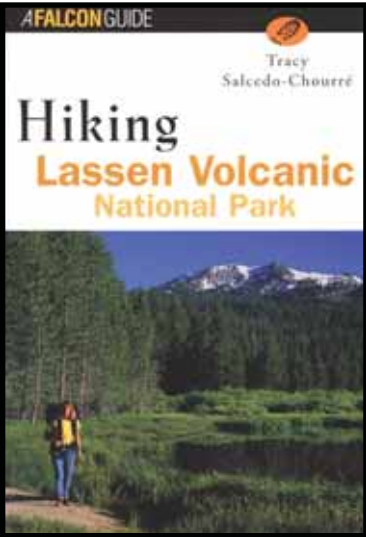


Hiking Chart

Trails	Destination	Distance Round Trip	Approximate Time Round Trip	Elevation Change	Notes/Difficulty
Bumpass Hell					
Begin at the Bumpass Hell parking lot. Trail offers excellent views of Lassen Peak and Lake Helen, and terminates at the park's largest hydrothermal area	Thermal Area Boardwalk	3 miles 4.8 km.	2 hours	300 ft. 91 m.	See hissing fumaroles, boiling springs, and active mud pots from the boardwalk. Moderate hike
Lassen Peak					
Begin at the peak parking area	Summit	5 miles 8 km.	4-5 hours	1957 ft. 596 m.	Strenuous hike
Kings Creek					
Begin at the Kings Creek parking area. Hiking boots are recommended as trail traverses small rock formations.	Kings Creek Falls	2.4 miles 3.8 km.	2 hours	300 ft. 91 m.	Moderate hike
	Sifford Lakes	6.2 miles 10 km.	6-7 hours	300 ft. 91 m.	Moderately strenuous hike
Cinder Cone					
Begin near the Butte Lake boat ramp. Hiking boots are recommended as trail becomes steep with a loose cinder base.	Cinder Cone Summit	4 miles 6.4 km.	3 hours	700 ft. 213 m.	Moderate to Strenuous hike
	Snag Lake	7.2 miles 11.6 km.	6 hours	300 ft. 91 m.	Moderate hike
Brokeoff Mountain					
Begin at Brokeoff Mountain trailhead near southwest park entrance. Trail offers excellent views of Mt. Shasta as well as many peaks within Lassen.	Summit	7 miles 11.25 km.	4 hours	2600 ft. 792 m.	Moderately strenuous hike
	Forest Lake	3 miles 4.8 km.	2.5-3 hours	700 ft. 213 m.	Moderate hike
Summit Lake					
Begin at Summit Lake Ranger Station or either Summit Lake Campground. Trail leads to the interior of the park offering views of Lassen Peak and Chaos Crag. Trail passes many beautiful mountain lakes.	Echo Lake	4 miles 6.4 km.	2 hours	500 ft. 152 m.	Moderate hike
	Lower Twin Lake	7.8 miles 12.5 km.	4 hours	500 ft. 152 m.	Moderate hike
	Big Bear Lake	3.5 miles 5.6 km.	4 hours	500 ft. 152 m.	Moderate hike
	Cluster Lakes Loop	11 miles 17.4 km.	6-7 hours	500 ft. 152 m.	Moderate hike
Manzanita Lake					
Begin anywhere along shore of lake.	circle lake shore	1 mile 1.6 km.	45 mins.		Easy walk

Help Save Lassen Peak!

Thousands of hikers each year make the trip to the summit of Lassen Peak. Hiking Lassen Peak can be one of the most memorable experiences of your lifetime, but please take only memories and leave only footprints on the designated trail. Shortcuts quickly erode volcanic soils and damage alpine plants such as the Lassen Peak Smelowskia, found in only one place in the world, Lassen Peak!



Hiking Lassen Volcanic National Park \$14.95; Available through the Lassen Loomis Museum Association. llma@citlink.net or (530)595-3399

Staying Overnight

CAMPING DOs & DON'Ts: These rules protect the landscape & you!

KEEP FOOD FROM BEARS AND OTHER WILDLIFE

It's required all year!

CAMPFIRE RESTRICTIONS

Gather only dead and down wood. Open fires are restricted to metal fire rings only. Fires must be out cold before you leave.

NO HOLDING CAMPSITES

In first-come, first-serve campgrounds, you may not hold a site for someone who has not arrived.

LIMITS ON CAMPING

Six people and two vehicles are allowed per family site. Camping is limited to 14 days per year, with Summit Lake limited to 7 days per year.

GROUP CAMPING

Several group campsites available by reservation only, call 530-335-7029 for more information and reservations.

Wilderness Camping? A Permit is Required

PERMITS

A free wilderness permit is required for overnight camping in Lassen Volcanic's backcountry wilderness. You are limited to a maximum of 10 people per permit per site; up to 20 people may hike together. Camping is limited to 14 days per year.

Permits are available in person during operating hours at the Loomis Museum, Park Headquarters, and Peak Parking Area (weekends only). After hours self-registration stations are available at Butte, Warner Valley, and Juniper Lake Ranger Stations as well as the Southwest and Northwest Entrance Stations. Permits are also available in advance through our website, please allow at least two weeks notice.

CAMPSITES

Camp at least 300' from other groups and 100' from streams and lakes.

Camp at least 1/2 mile from developed areas and ask about areas closed to camping.

Pack It In And Pack It Out, Practice Leave No Trace

Each campsite has a table, bearbox, and fire ring with grill. There are no hook-ups.

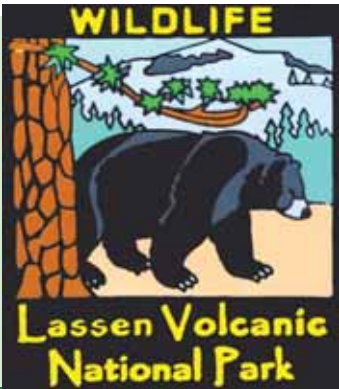
For *Reservations call 1-877-444-6777 or visit www.reserveusa.com.

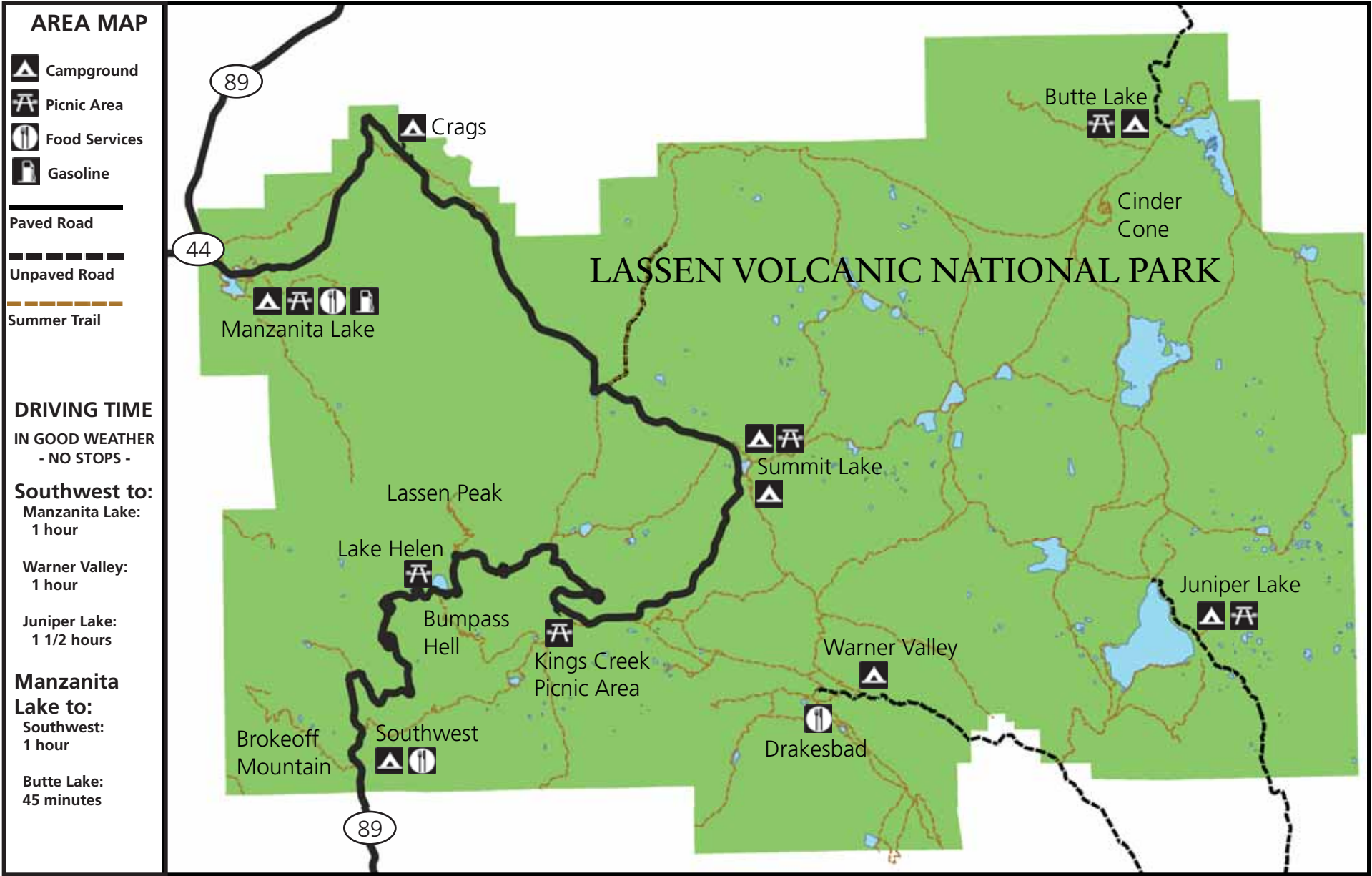
CAMPGROUNDS

	# of Sites	Daily Fees	Restroom Facilities	Notes
Butte Lake - 6100'				
Early-June to mid-Sept., weather permitting. Reservable* (see above).	101	\$14	Flush & Vault	RV's and tents, boat launch, potable water, trout fishing
Crags - 5700'				
Early-June to early-Sept., weather permitting.	45	\$12	Vault	RV's and tents, potable water
Juniper Lake - 6792'				
Early-July to late-Sept., weather permitting.	18	\$10	Vault	RV's and tents, no potable water, trout fishing, rough gravel road
Manzanita Lake - 5890'				
Mid-May to late-Sept., weather permitting. Reservable* (see above).	179	\$16	Flush & Vault	RV's and tents, gas station, showers, food, pay phone, boat launch, trout fishing, potable water, dump station
Summit Lake North - 6695'				
Early-July to early-Sept., weather permitting. Reservable* (see above).	46	\$16	Flush	RV's and tents, potable water
Summit Lake South - 6695'				
Early-July to early-Sept., weather permitting. Reservable* (see above).	48	\$14	Vault	RV's and tents, potable water
Southwest Walk-In - 6700'				
Year-round, no water Sept. - June.	20	\$14	Flush & Vault	tents only, next to SW parking area, potable water
Warner Valley - 5650'				
Early-June to late-Sept.	18	\$14	Vault	RV's and tents, potable water, trout fishing, gravel road

YOU MUST STORE ALL FOOD!

Bears quickly learn to get food from cars, picnic tables, and backpacks. They then become destructive and sometimes aggressive. They want our food, not us, but people can get hurt. Too often these bears must be killed. This is why you may be fined if you do not store food properly. Campers must store all food, coolers, and related items, day and night, in the metal bear boxes provided in all campgrounds. Backpackers should bearproof their camp by hanging the same items out of bear's reach. Keep a clean campsite and deposit trash in garbage cans immediately.





A SCENIC BOULEVARD

If you are like most visitors to Lassen Volcanic National Park you will drive on the Main Park Road during your visit. Did you know that you were driving on a piece of history?

The Main Park Road extends 30 miles between the southwest and northwest entrance stations. From the southwest entrance (elevation 6,646 feet) the road climbs to an elevation of 8,511 feet at its summit near Lassen Peak, and descends toward the northwest entrance (elevation 5,808 feet) near Manzanita Lake. The road traverses active geothermal areas, sub-alpine forests, mountain meadows, and lava fields.

This road was built between 1925 and 1931. Construction of the road was challenging to say the least. At the time of the road's construction it was the only one built upon

Watch Out
For Our New Roadside Exhibits

During the summer of 2005 Lassen Volcanic installed 34 new wayside exhibits in 17 different places along or near the Main Park Road. Stop by the Devastated Area, Sulphur Works, or any other wayside exhibit to learn more about your national park!

the site of a recently active volcano. The very nature of the terrain it passes over presented problems in construction never before encountered. The remoteness of the area posed supply and logistical problems that had to be overcome even before construction could begin.

The road alignment was designed to display the park's most scenic and geologically interesting areas to automobile tourists. Roadside amenities, including scenic pullouts, trailhead parking areas, and wayside exhibits were located to enhance the motorist's experience, to allow hikers access to the park's extensive backcountry trail system, and to add to the visitor's understanding of the dramatic geological processes that created the diverse volcanic landscape. The road offers distant views of the surrounding countryside within and beyond park boundaries, as well as a variety of distant and intimate views of the park's major natural landscape feature, Lassen Peak.

The Main Park Road is currently in the process of being listed on the National Register of Historic Places as a cultural landscape.

